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FTD-TT-62-315

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Order from ATS \$13.65

ATS-26N55R

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DESCRIPTIONS: *Fluid flow, Water, Pipes, Resistance
Hydraulic systems, Heat.

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EFFECT OF THE DEGREE OF PARTIAL ADMISSION
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STAGE. [1963] [7p] Srefs C. E. Trans. 3043.
Order from OTS or SLA \$1.10 63-24096

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DESCRIPTORS: Turbines, *Turbine parts, Turbine
blades, *Nozzles, Fluid flow, Equations.

A formula is derived in this article for determining
the degree of reaction of a simple stage as a function of
the degree of partial admission. A comparison is
presented of experimental theoretical data. (Author)

(Machinery--Engines, TT, v. 10, no. 12)

63-24096

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ALL M 3890

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Measurement of Turbulent Temperature ~~MAX~~
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Heat Transfer During the Condensation of High-
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13 pp.
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JPRS 14270

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NLL Ref. 9022.09 1963 (2,721)
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C. E. Trans. 2754.

Order from OTS or SLA \$1.10

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p. 12-17.DESCRIPTORS: *Conveyors, Loading (Mechanics),
Weighing, Automatic, Fuels, *Transportation.The operation of the better-known systems of weighing
loads on conveyor bands is examined. (Author)

(Machinery--Transport, TT, v. 10, no. 12)

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An Investigation and Aerodynamic Perfecting of
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MLL M 3918

Sci - Aerospace, Eng
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DIE BESTIMMUNG DES GÜNSTIGSTEN ENDDRUCKES
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(Determination of the Optimum End-thrust for Con-
densation-turbine Systems). 14p.
Order from: ITB \$2.35

Trans. in German of Teploenergetika (USSR) 1962
[v. 9] no. 4, p. 37-42.

DESCRIPTORS: *Pressure, Condensation, *Turbines.

(Machinery-Engines, IT, v. 9, no. 11)

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18 PP.

RUSSIAN, PER, TEPLOENERGETIKA, NO 5, 1962,
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HEAT TRANSFER IN CINDEA-TRAPPING TUBE BUNDLES. [1968] [p] 2 refs C. E. Trans. 2885.

Order from OT, SLA, or ETC \$1.10 TT-63-24088

Trans. of Teploenergetika (USSR) 1962, v. 9, no. 5, p. 17-19. (Abstract available)

DESCRIPTORS: *Boilers, *Boiler tubes, *Heat transfer, Combustion deposits, Coal, Particles, Cyclone furnaces, Combustion chamber gases.

The heat transfer was determined with a cyclone furnace burning anthracite culm under a boiler $D = 230/275$ t/hr; $p = 100$ atm, $t_{\text{reheat}} = 500^{\circ}\text{C}$. The quantity of heat absorbed by the bundle was determined according to the heat balance of the gases before and after the bundle. obtained by determining the air currents entering the precombustion chambers, determining the coefficient of air-excess in the gases behind (Physics--Thermodynamics, TT, v. 11, no. 5) (over)

TT-63-24088

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Some Ways of Improving the Efficiency of
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NLL Ref: 9022.09 1963 (2709) (Loan)

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Method: of Determining the Effect of the
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FTD-TT-62-1456

072, LA, ETC TT-62-1456 (7m)

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NLL Ref: 9022.03 1963 (3276) (Loan)

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RUSSIAN, per, Topoenergetika, Vol IX, No 5,
1962, pp 47-50.

OTS TT-63-12953
NLI Ref. 9012.09 1963 (2,712)
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NLL Ref:9022.09 (#751)

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RUSSIAN, ~~per~~ Teploenergetika, Vol X, No 5, 1962,
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S. I. Kosterin, A. I. Leont'yev, et al, 9 pp.

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COMBUSTION AND HEAT EMISSION CHARACTERIS-
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[13p] 2ref. C. E. Trans. 2851.

Order from OTS, SLA, or FTC \$1.60 TT-63-24097

Trans. of Teploenergetika (USSR) 1962, v. 9, no. 6,
p. 3-9. (Abstract available)

DESCRIPTORS: Flames, *Coal, *Fuels, *Combustion,
Particles, Furnaces, Thermal radiation,

The possibility of calculating the burn-up of pulverised
coal and the degree of darkness of the flame is ex-
amined on the basis of results of investigation of the
main characteristics of a round pulverised-coal burner.
(Author)

(Materials--Fuels, TT, v. 11, no. 3)

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